

## Assessment of Geometry: 3-Dimensional Solids Tic-Tac-Toe

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| <b>1. Straw Polyhedron</b><br>Follows Model criteria card _____<br>Name of polyhedron is labeled with basic information about it _____<br>Accurate shape for polyhedron selected _____<br><i>Suggested extension: Make detailed drawing of faces, vertices and edges included with model _____</i><br><br>Possible points = _____ | <b>2. List &amp; Calculations</b><br>Accurate list and measurements _____<br>Calculations mathematically correct _____<br>Process shown for solving each problem _____<br><i>Suggested extension: Write 7 paragraphs telling other interesting facts about each Wonder _____</i><br><br>Possible points = _____     | <b>3. Interview &amp; Paper</b><br>Identifies architect _____<br>Accurate information about his/her work in the field _____<br>Explains architect's use of 3-dimensional figures _____<br>Correct grammar, spelling and punctuation _____<br><i>Suggested extension: Include pictures of architect's designs _____</i><br><br>Possible points = _____ |
| <b>4. Lesson Plan</b><br>Follows Oral Presentation criteria card _____<br>Correct information _____<br>Explains clearly – easy to understand _____<br>Answers questions well _____<br><i>Suggested extension: Give test or quiz and grade it _____</i><br><br>Possible points = _____   | <b>5. Paragraph</b><br>Shows difference in estimated and exact surface area _____<br>Accurate calculations _____<br>Process explained in detail _____<br>Correct grammar, spelling and punctuation _____<br><i>Suggested extension: Do the same calculations in your house _____</i><br><br>Possible points = _____ | <b>6. Collage</b><br>Follows Collage criteria card _____<br>Shows 5 or more different polyhedrons _____<br>Correct labels & definitions _____<br><i>Suggested extension: Show architecture with several polyhedrons in 1 building _____</i><br><br>Possible points = _____  |
| <b>7. Model</b><br>Follows Model criteria card _____<br>Original creation and name for polyhedron _____<br>Has characteristics of a polyhedron _____<br><i>Suggested extension: Create 2 new types of polyhedrons that can be used together. List possible uses _____</i><br><br>Possible points = _____                          | <b>8. Cube &amp; Calculations</b><br>Follows Model criteria card _____<br>Sum of all corners of the cube are mathematically correct _____<br>Calculations shown on paper _____<br><i>Suggested extension: Do similar calculations done on a different polyhedron _____</i><br><br>Possible points = _____           | <b>9. Crossword Puzzle</b><br>Follows Crossword Puzzle criteria card _____<br>Has at least 20 words related to polyhedrons _____<br><i>Suggested extension: Make the shape of the puzzle reflect polyhedrons _____</i><br><br>Possible points = _____   |

Points for activities: # \_\_\_\_\_ = \_\_\_\_\_ pts., # \_\_\_\_\_ = \_\_\_\_\_ pts., # \_\_\_\_\_ = \_\_\_\_\_ pts.

Name \_\_\_\_\_ Total points \_\_\_\_\_ Grade \_\_\_\_\_